

Yorkshire Dales National Park

Forecast valid from 06:00 on Sunday 17 Dec 2023 until 23:59 on Monday 18 Dec 2023

Forecast Issued on Sunday 17 Dec 2023 at 03:35

Confidence: High confidence for general weather pattern, lower for rainfall detail by Tuesday.

Headline for Sunday 17 Dec 2023: Cloudy and very windy with drizzle for much of the day, heavy rain into the evening.

Mountain weather hazards on Sunday 17 Dec 2023

Blizzards No Likelihood	Heavy persistent snow No Likelihood	Storm force winds No Likelihood
Gales Medium Likelihood	Severe chill effect Low Likelihood	Poor visibility Low Likelihood
Thunderstorms No Likelihood	Heavy persistent rain Low Likelihood	Strong sunlight No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
FOG	FOG	FOG	FOG		
Fog	Fog	Fog	Fog	Light rain	Heavy Rain
Precipitation probability					
20%	20%	20%	20%	60%	80%

Forecast for Sunday 17 Dec 2023

Weather: Low cloud will linger throughout the day with outbreaks of light rain or drizzle at times on western slopes with some sunny spells in eastern parts. By evening rain will turn heavy feeding in from the north. Very strong winds throughout.

Chance of cloud-free hill tops above 600m: 10% west, 40% in the east.

Low Cloud and visibility: Broken or overcast low cloud base 500-700m on western slopes, with breaks in the east. Visibility good at low levels but moderate in rain and poor in hill fog and drizzle.

Forecast for Sunday 17 Dec 2023

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	31/38 SW	30/38 SW	30/41 SW	29/40 SW	26/37 SW	23/34 SW	20/30 SW
300	16/33 SW	15/32 SW	17/36 SW	19/38 SW	18/37 SW	17/34 SW	15/31 SW
Valley	16/37 SW	12/29 SW	14/33 SW	15/34 SW	15/33 SW	13/30 SW	12/28 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	5/-2	4/-2	5/-1	6/0	6/1	6/1	7/2
300	7/3	6/2	7/3	8/4	8/4	8/4	8/5
Valley	8/4	8/4	8/5	9/6	9/6	9/6	9/6
Freezing Level*	2100m	2000m	1900m	2500m	2900m	2900m	2900m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Strong winds, particularly at height, will hamper progress.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Sun 17 Dec 2023	1.2mm	1.8mm	4.2mm

Forecast for Monday 18 Dec 2023

Weather: Another cloudy day with heavy rain at first, this easing during the morning but light rain persisting into the afternoon. Drier into the evening with skies clearing for a time.

Maximum wind: Southwest 20-25 mph gusting 35-45 mph, easing through the day.

Chance of cloud-free hill tops above 600m: 10-20% improving to 80% during the evening.

Low Cloud and visibility: Broken or overcast low cloud base 500-700m, lowering 400m at times, clearing during the evening to few base 600-800m. Visibility moderate or poor in rain and hill fog, improving to good into the evening.

Temperature: **Valleys:** Plus 9 to 12 Celsius
At 600m: Plus 6 to 9 Celsius
Freezing level: Above summits